



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

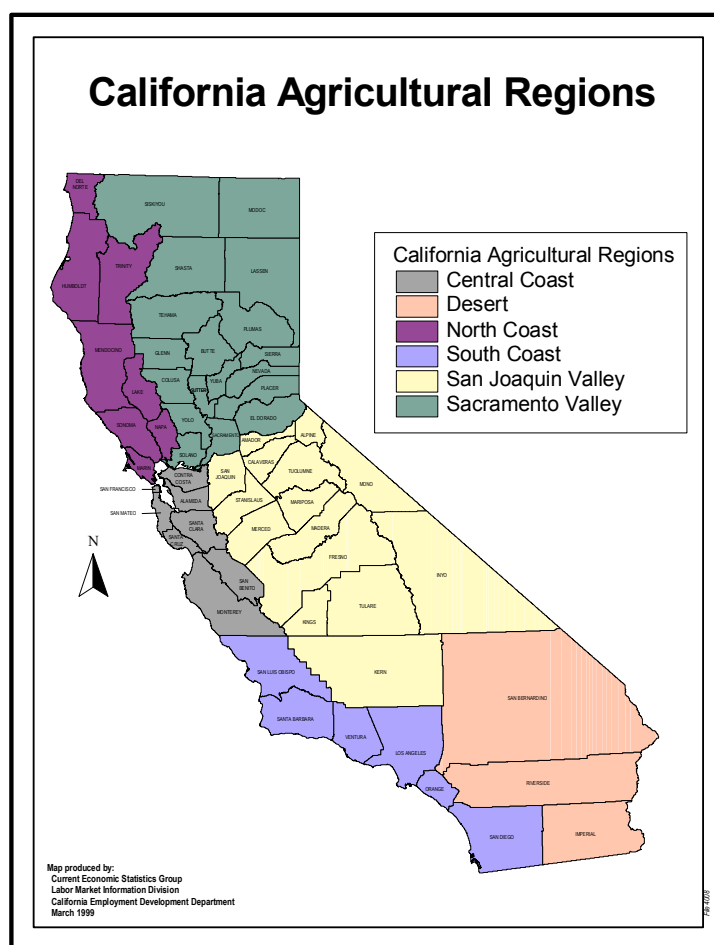
April 2002  
(Internet Version)

### Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

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## Summary

### Employment

California agricultural employment for April 2002 increased 75,000 jobs over the previous month, a gain of 25 percent. Total Agricultural Production increased 49,800 jobs from March 2002 to April 2002, a gain of 29 percent. Agricultural Services increased by 25,200 jobs, a gain of 20 percent. It is normal for both Agricultural Production and Agricultural Services to show increases from March to April. The change in California agricultural employment from March 2001 to April 2001 was an increase of 70,500 jobs.

Most crop categories registered increases for the month of April. Farm Labor Contractor Services registered the largest increase for the month with a gain of 27,300 jobs. Another significant increase was registered in Ornamental Floral and Nursery crops where 11,500 jobs were added. The largest decrease for the month was seen in Farm Management Services with a decline of 3,400 jobs. Total agricultural employment increased 41 percent in the Sacramento Valley Region, 30 percent in the Central Coast Region, 30 percent in the San Joaquin Valley Region, 15 percent in the South Coast Region, 14 percent in the North Coast Region, and nine percent in the Desert Region.

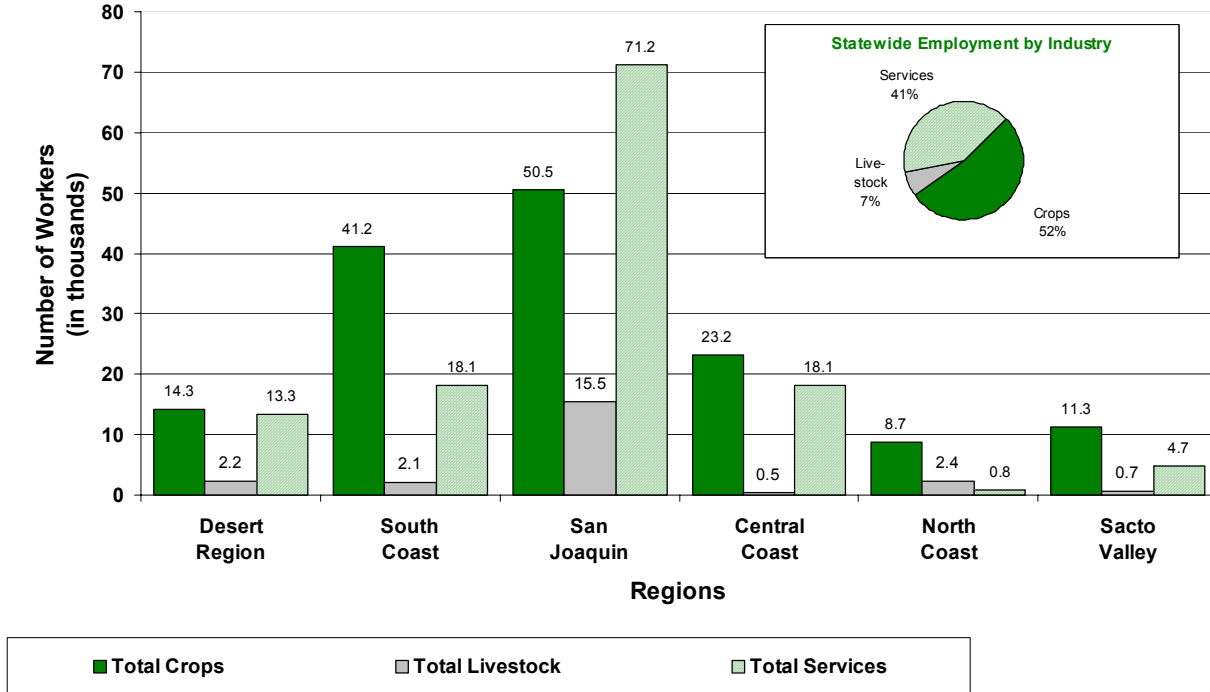
### Production and Crop Activity

Cotton planting was active during the month. Alfalfa was cut, windrowed and baled for hay as well as being green chopped in some areas. Pesticide applications were made to some alfalfa fields to control weeds and weevils. Irrigation was underway in wheat, oat and barley fields. Oats were harvested in some fields, while oat straw was windrowed and dried in other fields. Harvesting of barley and wheat began in a few areas. Forage grain fields were cut and baled, or green chopped for feed. Sugar beet fields were irrigated, cultivated, and treated to control mildew and insects. The harvest of sugar beets began on a limited basis. Planting of corn for grain and silage continued. Safflower was being planted in a few locations. Preparation of rice fields continued. Borders were prepared in some rice fields, while other fields were already being flooded in preparation for seeding. Vegetable growers continued to remove hot caps from plants. Fields were irrigated, cultivated, and treated to prevent disease and infestation. Pre-planting activities such as weeding and spraying continued in tomato and melon fields. Planting of various summer vegetables continued. Sweet corn planting was underway. Planting of carrots, squash, watermelons, and mixed melons continued. Lettuce harvesting continued at a steady pace in the Huron district. Broccoli, cauliflower, and asparagus were being harvested. Some asparagus fields were disced due to overproduction. Spinach harvesting was nearing completion in Tulare County. Other vegetables harvested during the month included: basil, beets, cabbage, carrots, celery, cilantro, collard greens, cucumbers, daikon, green onions, leeks, mint, mustard greens, parsley, radishes, radicchio, snow peas, squash, and turnips.

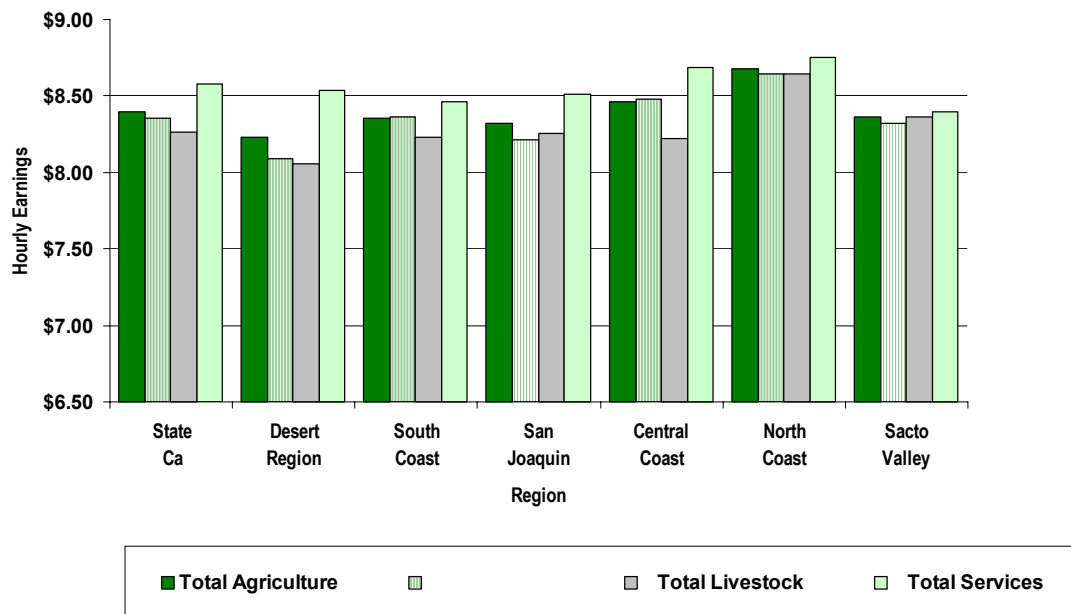
Seasonal cultural activities such as weed control, fungicide application, cultivation, and irrigation continued in orchards and vineyards. Fruit growers were thinning fruit, as a bountiful crop weighed down tree branches. Growers also irrigated, cultivated, and applied fungicides and herbicides. Leaf and shoot thinning continued in table grape vineyards. Apple growers applied treatments to control insect and disease problems. Asian pear and persimmon orchards were treated with fungicides to control disease problems. Navel and Valencia orange harvesting continued. Grapefruit picking was ongoing in the desert and in the San Joaquin Valley. Lemons were picked in the San Joaquin Valley and the coastal areas. Strawberry harvesting continued at a steady pace. Nut growers performed seasonal cultural activities such as pruning, irrigating and spraying trees. Walnuts were sprayed for blight.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>373.8</b>	<b>298.8</b>	<b>381.2</b>
<b>Total Agricultural Production/Crops</b>	<b>196.4</b>	<b>149.2</b>	<b>193.5</b>
Cash Grains	4.9	5.1	2.9
Rice	2.8	1.1	1.8
Other Cash Grains	2.1	4.0	1.1
Field Crops Except Grains	17.0	10.1	10.0
Cotton	2.5	2.7	5.1
Other Field Crops	14.5	7.4	4.9
Vegetables and Melons	32.4	29.8	33.4
Total Fruits and Tree Nuts	81.8	59.6	83.3
Berries	20.2	10.5	21.3
Grapes	29.9	25.2	34.0
Tree Nuts	7.3	6.1	7.3
Citrus Fruits	2.3	1.3	3.7
Deciduous Tree Fruit	2.8	2.8	10.3
Other Fruits & Nuts	19.3	13.7	6.7
Total Horticultural Specialties	43.0	29.7	39.4
Ornamental Floral & Nursery	38.2	26.7	35.8
Food Crops Grown Under Cover	4.8	3.0	3.6
General Farm Primarily Crop	17.3	14.9	24.5
<b>Agricultural Production/Livestock</b>	<b>26.0</b>	<b>23.4</b>	<b>29.0</b>
Beef Cattle Feed Lots	1.4	1.2	0.9
Beef Cattle Except Feed Lots	1.9	1.8	3.5
Dairy Farms	13.2	11.6	16.3
Chicken Eggs	3.8	2.5	2.3
Turkey & Turkey Eggs	0.7	2.9	1.0
Other Livestock	5.0	3.4	5.0
<b>Total Agricultural Services</b>	<b>151.4</b>	<b>126.2</b>	<b>158.7</b>
Soil Preparation Services	2.0	0.7	1.5
Crop Services	32.2	32.2	41.8
Plant Cultivate & Protection	5.4	4.1	6.2
Harvest Primarily by Machine	3.4	1.9	5.4
Preparation Services for Market	22.8	25.6	29.6
Cotton Ginning	0.6	0.6	0.6
Total Farm Labor & Management	117.2	93.3	115.4
Farm Labor Contractors	110.0	82.7	104.6
Farm Management Services	7.2	10.6	10.8

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.40</b>	<b>8.37</b>	<b>8.22</b>
<b>Total Agricultural Production/Crops</b>	<b>8.35</b>	<b>8.31</b>	<b>8.13</b>
Cash Grains	8.39	8.39	8.28
Rice	8.68	8.53	8.35
Other Cash Grains	8.11	8.25	8.22
Field Crops Except Grains	8.46	8.41	8.01
Cotton	8.46	8.38	7.90
Other Field Crops	8.45	8.44	8.12
Vegetables and Melons	8.45	8.45	8.13
Total Fruits and Tree Nuts	8.20	8.22	7.91
Berries	8.20	8.04	7.52
Grapes	8.21	8.36	8.04
Tree Nuts	8.30	7.97	8.03
Citrus Fruits	8.02	8.41	7.94
Deciduous Tree Fruit	7.98	8.08	7.64
Other Fruits & Nuts	8.47	8.46	8.32
Total Horticultural Specialties	8.37	8.25	8.32
Ornamental Floral & Nursery	8.43	8.44	8.31
Food Crops Grown Under Cover	8.32	8.06	8.33
General Farm Primarily Crop	8.25	8.18	8.15
<b>Agricultural Production/Livestock</b>	<b>8.26</b>	<b>8.21</b>	<b>8.09</b>
Beef Cattle Feed Lots	8.24	8.15	8.22
Beef Cattle Except Feed Lots	8.23	8.33	8.28
Dairy Farms	8.49	8.55	8.63
Chicken Eggs	8.20	7.84	7.45
Turkey & Turkey Eggs	7.92	7.92	7.67
Other Livestock	8.48	8.45	8.30
<b>Total Agricultural Services</b>	<b>8.58</b>	<b>8.59</b>	<b>8.43</b>
Soil Preparation Services	8.71	8.69	8.28
Crop Services	8.62	8.73	8.74
Plant Cultivate & Protection	8.56	8.73	8.60
Harvest Primarily by Machine	8.70	8.74	8.84
Preparation Services for Market	8.19	8.28	8.10
Cotton Ginning	9.03	9.17	9.40
Total Farm Labor & Management	8.40	8.35	8.26
Farm Labor Contractors	8.20	8.13	8.06
Farm Management Services	8.61	8.57	8.47

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>54.4</b>	<b>41.8</b>	<b>55.8</b>
<b>Total Agricultural Production/Crops</b>	<b>34.4</b>	<b>23.2</b>	<b>30.9</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	3.2	2.5	0.3
Cotton	0.0	0.0	0.0
Other Field Crops	3.2	2.5	0.3
Vegetables and Melons	12.5	8.0	13.4
Total Fruits and Tree Nuts	5.8	4.2	5.4
Berries	3.0	1.9	3.8
Grapes	0.2	0.3	1.1
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.1	0.3
Other Fruits & Nuts	2.5	1.9	0.1
Total Horticultural Specialties	12.0	7.4	9.9
Ornamental Floral & Nursery	9.9	5.3	7.7
Food Crops Grown Under Cover	2.1	2.1	2.2
General Farm Primarily Crop	0.9	1.1	1.9
<b>Agricultural Production/Livestock</b>	<b>0.8</b>	<b>0.5</b>	<b>1.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.4	0.0	0.3
Dairy Farms	0.1	0.4	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.1	0.4
<b>Total Agricultural Services</b>	<b>19.2</b>	<b>18.1</b>	<b>23.9</b>
Soil Preparation Services	0.1	0.3	0.3
Crop Services	3.2	5.1	8.2
Plant Cultivate & Protection	0.0	0.0	0.9
Harvest Primarily by Machine	1.1	1.0	1.6
Preparation Services for Market	2.1	4.1	5.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.9	12.7	15.4
Farm Labor Contractors	15.0	10.2	14.4
Farm Management Services	0.9	2.5	1.0

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.55</b>	<b>8.46</b>	<b>8.24</b>
<b>Total Agricultural Production/Crops</b>	<b>8.46</b>	<b>8.48</b>	<b>8.33</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.53	8.53	8.22
Cotton	na	na	na
Other Field Crops	8.53	8.53	8.22
Vegetables and Melons	8.80	8.72	8.46
Total Fruits and Tree Nuts	8.32	8.44	8.25
Berries	8.51	8.64	7.95
Grapes	8.26	8.35	8.00
Tree Nuts	na	na	8.57
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.08	8.12	8.25
Other Fruits & Nuts	8.42	8.66	8.50
Total Horticultural Specialties	8.45	8.50	8.50
Ornamental Floral & Nursery	8.51	8.52	8.66
Food Crops Grown Under Cover	8.38	8.47	8.34
General Farm Primarily Crop	8.23	8.20	8.21
<b>Agricultural Production/Livestock</b>	<b>8.43</b>	<b>8.22</b>	<b>7.98</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.23	na	8.28
Dairy Farms	8.54	8.49	8.63
Chicken Eggs	na	na	7.29
Turkey & Turkey Eggs	na	na	7.67
Other Livestock	8.52	7.95	8.05
<b>Total Agricultural Services</b>	<b>8.75</b>	<b>8.69</b>	<b>8.39</b>
Soil Preparation Services	8.92	8.85	8.26
Crop Services	8.73	8.71	8.62
Plant Cultivate & Protection	na	na	8.22
Harvest Primarily by Machine	9.07	8.91	9.14
Preparation Services for Market	8.39	8.50	8.49
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.60	8.51	8.31
Farm Labor Contractors	8.30	8.20	8.00
Farm Management Services	8.89	8.81	8.61

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>32.4</b>	<b>29.8</b>	<b>35.2</b>
<b>Total Agricultural Production/Crops</b>	<b>17.6</b>	<b>14.3</b>	<b>13.7</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	3.9	1.4	1.4
Cotton	0.3	0.0	0.1
Other Field Crops	3.6	1.4	1.3
Vegetables and Melons	2.1	3.6	3.2
Total Fruits and Tree Nuts	8.2	5.6	5.2
Berries	0.0	0.0	0.2
Grapes	3.8	4.1	2.5
Tree Nuts	0.0	0.2	0.2
Citrus Fruits	0.4	0.1	0.5
Deciduous Tree Fruit	0.0	0.3	0.5
Other Fruits & Nuts	4.0	0.9	1.3
Total Horticultural Specialties	1.0	1.3	1.5
Ornamental Floral & Nursery	1.0	1.0	1.4
Food Crops Grown Under Cover	0.0	0.3	0.1
General Farm Primarily Crop	2.4	2.4	2.3
<b>Agricultural Production/Livestock</b>	<b>2.5</b>	<b>2.2</b>	<b>5.6</b>
Beef Cattle Feed Lots	0.0	0.3	0.3
Beef Cattle Except Feed Lots	0.0	0.0	0.6
Dairy Farms	2.2	1.1	2.9
Chicken Eggs	0.0	0.4	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.4	0.6
<b>Total Agricultural Services</b>	<b>12.3</b>	<b>13.3</b>	<b>15.9</b>
Soil Preparation Services	0.2	0.1	0.2
Crop Services	1.8	3.6	4.3
Plant Cultivate & Protection	1.2	0.3	0.5
Harvest Primarily by Machine	0.1	0.1	0.9
Preparation Services for Market	0.4	3.1	2.8
Cotton Ginning	0.1	0.1	0.1
Total Farm Labor & Management	10.3	9.6	11.4
Farm Labor Contractors	10.2	9.0	9.2
Farm Management Services	0.1	0.6	2.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.33</b>	<b>8.21</b>	<b>8.08</b>
<b>Total Agricultural Production/Crops</b>	<b>8.31</b>	<b>8.09</b>	<b>7.90</b>
Cash Grains	na	na	8.00
Rice	na	na	na
Other Cash Grains	na	na	8.00
Field Crops Except Grains	8.69	8.38	7.94
Cotton	8.65	na	8.10
Other Field Crops	8.73	8.38	7.77
Vegetables and Melons	8.37	8.27	7.77
Total Fruits and Tree Nuts	8.10	8.02	7.74
Berries	na	na	7.91
Grapes	7.82	7.90	7.52
Tree Nuts	na	7.74	7.54
Citrus Fruits	7.95	8.29	7.85
Deciduous Tree Fruit	na	7.61	7.26
Other Fruits & Nuts	8.53	8.55	8.36
Total Horticultural Specialties	8.19	7.88	8.15
Ornamental Floral & Nursery	8.19	8.12	7.95
Food Crops Grown Under Cover	na	7.63	8.34
General Farm Primarily Crop	8.21	7.90	7.78
<b>Agricultural Production/Livestock</b>	<b>8.23</b>	<b>8.06</b>	<b>7.96</b>
Beef Cattle Feed Lots	na	8.15	8.13
Beef Cattle Except Feed Lots	na	na	7.89
Dairy Farms	8.33	8.64	8.61
Chicken Eggs	na	7.34	7.10
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.12	8.11	8.06
<b>Total Agricultural Services</b>	<b>8.46</b>	<b>8.47</b>	<b>8.40</b>
Soil Preparation Services	8.69	8.70	8.09
Crop Services	8.51	8.47	8.72
Plant Cultivate & Protection	8.34	8.42	8.31
Harvest Primarily by Machine	9.03	8.88	9.11
Preparation Services for Market	7.95	7.91	7.86
Cotton Ginning	8.71	8.65	9.58
Total Farm Labor & Management	8.19	8.25	8.39
Farm Labor Contractors	8.07	8.14	8.46
Farm Management Services	8.31	8.36	8.32

# NORTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>13.6</b>	<b>11.9</b>	<b>16.2</b>
<b>Total Agricultural Production/Crops</b>	<b>9.0</b>	<b>8.7</b>	<b>11.6</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.2	1.9	0.2
Total Fruits and Tree Nuts	7.2	6.0	9.3
Berries	0.0	0.0	0.0
Grapes	6.7	5.2	8.5
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.0	0.4	0.6
Other Fruits & Nuts	0.5	0.4	0.1
Total Horticultural Specialties	0.2	0.2	1.8
Ornamental Floral & Nursery	0.2	0.2	1.6
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	1.4	0.6	0.3
<b>Agricultural Production/Livestock</b>	<b>3.0</b>	<b>2.4</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.4	1.3	0.9
Chicken Eggs	1.9	0.7	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.7	0.4	0.3
<b>Total Agricultural Services</b>	<b>1.6</b>	<b>0.8</b>	<b>2.9</b>
Soil Preparation Services	0.0	0.0	0.0
Crop Services	0.0	0.0	0.2
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.6	0.8	2.7
Farm Labor Contractors	0.2	0.0	0.6
Farm Management Services	1.4	0.8	2.1

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.63</b>	<b>8.68</b>	<b>8.32</b>
<b>Total Agricultural Production/Crops</b>	<b>8.59</b>	<b>8.64</b>	<b>8.38</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.65	8.70	8.47
Total Fruits and Tree Nuts	8.62	8.64	8.43
Berries	na	na	na
Grapes	8.60	8.60	8.74
Tree Nuts	na	na	8.30
Citrus Fruits	na	na	na
Deciduous Tree Fruit	na	8.68	8.09
Other Fruits & Nuts	8.64	8.64	8.60
Total Horticultural Specialties	8.69	8.69	8.50
Ornamental Floral & Nursery	8.69	8.69	8.66
Food Crops Grown Under Cover	na	na	8.34
General Farm Primarily Crop	8.39	8.54	8.10
<b>Agricultural Production/Livestock</b>	<b>8.52</b>	<b>8.64</b>	<b>8.12</b>
Beef Cattle Feed Lots	na	na	8.04
Beef Cattle Except Feed Lots	na	na	8.07
Dairy Farms	8.22	8.37	8.27
Chicken Eggs	8.49	8.50	8.10
Turkey & Turkey Eggs	na	na	7.67
Other Livestock	8.85	9.06	8.57
<b>Total Agricultural Services</b>	<b>8.77</b>	<b>8.75</b>	<b>8.48</b>
Soil Preparation Services	na	na	na
Crop Services	na	na	8.40
Plant Cultivate & Protection	na	na	8.68
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.12
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.77	8.75	8.55
Farm Labor Contractors	8.64	na	8.33
Farm Management Services	8.90	8.75	8.77

# SOUTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>70.9</b>	<b>61.4</b>	<b>72.5</b>
<b>Total Agricultural Production/Crops</b>	<b>52.5</b>	<b>41.2</b>	<b>53.4</b>
Cash Grains	0.0	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.1	0.1
Field Crops Except Grains	1.3	0.8	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.3	0.8	0.2
Vegetables and Melons	5.9	4.6	7.8
Total Fruits and Tree Nuts	23.6	17.4	22.3
Berries	17.2	8.6	17.1
Grapes	0.0	0.4	1.7
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.4	0.7	1.5
Deciduous Tree Fruit	0.0	0.5	0.2
Other Fruits & Nuts	6.0	7.2	1.7
Total Horticultural Specialties	19.2	16.2	19.0
Ornamental Floral & Nursery	16.8	15.7	18.2
Food Crops Grown Under Cover	2.4	0.5	0.8
General Farm Primarily Crop	2.5	2.1	4.0
<b>Agricultural Production/Livestock</b>	<b>1.8</b>	<b>2.1</b>	<b>1.9</b>
Beef Cattle Feed Lots	0.0	0.1	0.0
Beef Cattle Except Feed Lots	0.0	0.4	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	1.3	0.8	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.8	1.1
<b>Total Agricultural Services</b>	<b>16.6</b>	<b>18.1</b>	<b>17.2</b>
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.5	2.1	3.2
Plant Cultivate & Protection	1.1	0.6	0.5
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	2.4	1.5	2.5
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	13.1	16.0	13.8
Farm Labor Contractors	10.6	13.5	12.3
Farm Management Services	2.5	2.5	1.5

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.33</b>	<b>8.35</b>	<b>8.28</b>
<b>Total Agricultural Production/Crops</b>	<b>8.34</b>	<b>8.36</b>	<b>8.23</b>
Cash Grains	na	8.63	8.70
Rice	na	na	na
Other Cash Grains	na	8.63	8.70
Field Crops Except Grains	8.52	8.58	8.31
Cotton	na	na	na
Other Field Crops	8.52	8.58	8.31
Vegetables and Melons	8.28	8.44	7.93
Total Fruits and Tree Nuts	8.30	8.24	7.90
Berries	7.88	7.43	7.25
Grapes	na	8.61	8.13
Tree Nuts	na	na	7.59
Citrus Fruits	8.53	8.53	8.29
Deciduous Tree Fruit	na	7.98	7.41
Other Fruits & Nuts	8.50	8.63	8.74
Total Horticultural Specialties	8.39	8.26	8.24
Ornamental Floral & Nursery	8.62	8.51	8.21
Food Crops Grown Under Cover	8.15	8.00	8.26
General Farm Primarily Crop	8.23	8.01	8.32
<b>Agricultural Production/Livestock</b>	<b>8.24</b>	<b>8.23</b>	<b>8.26</b>
Beef Cattle Feed Lots	na	8.19	na
Beef Cattle Except Feed Lots	na	8.58	8.68
Dairy Farms	na	na	8.63
Chicken Eggs	8.06	7.87	7.49
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.42	8.28	8.23
<b>Total Agricultural Services</b>	<b>8.41</b>	<b>8.46</b>	<b>8.35</b>
Soil Preparation Services	na	na	8.29
Crop Services	8.50	8.55	8.62
Plant Cultivate & Protection	8.81	8.93	8.85
Harvest Primarily by Machine	na	na	9.01
Preparation Services for Market	8.19	8.16	8.01
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.32	8.38	8.15
Farm Labor Contractors	8.04	8.15	7.92
Farm Management Services	8.60	8.61	8.38



# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>179.0</b>	<b>137.2</b>	<b>177.4</b>
<b>Total Agricultural Production/Crops</b>	<b>67.0</b>	<b>50.5</b>	<b>67.8</b>
Cash Grains	1.8	4.3	0.7
Rice	0.0	0.5	0.1
Other Cash Grains	1.8	3.8	0.6
Field Crops Except Grains	7.2	4.9	7.5
Cotton	2.2	2.7	5.0
Other Field Crops	5.0	2.2	2.5
Vegetables and Melons	10.6	9.6	7.3
Total Fruits and Tree Nuts	32.6	22.6	34.7
Berries	0.0	0.0	0.1
Grapes	18.9	14.7	19.1
Tree Nuts	4.4	3.9	4.3
Citrus Fruits	1.3	0.5	1.7
Deciduous Tree Fruit	1.9	0.8	6.7
Other Fruits & Nuts	6.1	2.7	2.8
Total Horticultural Specialties	7.7	3.0	4.9
Ornamental Floral & Nursery	7.4	2.9	4.7
Food Crops Grown Under Cover	0.3	0.1	0.2
General Farm Primarily Crop	7.1	6.1	12.7
<b>Agricultural Production/Livestock</b>	<b>14.4</b>	<b>15.5</b>	<b>17.1</b>
Beef Cattle Feed Lots	0.8	0.8	0.4
Beef Cattle Except Feed Lots	1.4	1.3	1.6
Dairy Farms	10.3	8.7	11.8
Chicken Eggs	0.6	0.6	0.5
Turkey & Turkey Eggs	0.7	2.9	0.8
Other Livestock	0.6	1.2	2.0
<b>Total Agricultural Services</b>	<b>97.6</b>	<b>71.2</b>	<b>92.5</b>
Soil Preparation Services	1.7	0.3	0.7
Crop Services	22.3	18.8	23.4
Plant Cultivate & Protection	2.6	2.5	3.5
Harvest Primarily by Machine	1.7	0.4	2.3
Preparation Services for Market	17.5	15.4	17.1
Cotton Ginning	0.5	0.5	0.5
Total Farm Labor & Management	73.6	52.1	68.4
Farm Labor Contractors	71.3	47.9	64.6
Farm Management Services	2.3	4.2	3.8

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.29</b>	<b>8.32</b>	<b>8.21</b>
<b>Total Agricultural Production/Crops</b>	<b>8.14</b>	<b>8.21</b>	<b>8.08</b>
Cash Grains	7.96	8.21	8.16
Rice	na	8.57	8.24
Other Cash Grains	7.96	7.84	8.08
Field Crops Except Grains	8.26	8.42	7.99
Cotton	8.27	8.38	7.70
Other Field Crops	8.24	8.46	8.28
Vegetables and Melons	8.14	8.10	8.11
Total Fruits and Tree Nuts	8.17	8.16	7.61
Berries	na	na	7.29
Grapes	8.35	8.36	7.81
Tree Nuts	8.39	8.03	8.08
Citrus Fruits	7.84	8.42	7.69
Deciduous Tree Fruit	7.74	7.99	7.13
Other Fruits & Nuts	8.55	7.98	7.63
Total Horticultural Specialties	8.27	8.31	8.19
Ornamental Floral & Nursery	8.11	8.47	8.03
Food Crops Grown Under Cover	8.42	8.14	8.34
General Farm Primarily Crop	8.05	8.09	8.40
<b>Agricultural Production/Livestock</b>	<b>8.33</b>	<b>8.25</b>	<b>8.11</b>
Beef Cattle Feed Lots	8.24	8.11	7.94
Beef Cattle Except Feed Lots	8.23	8.17	8.30
Dairy Farms	8.85	8.81	8.77
Chicken Eggs	8.06	7.63	7.27
Turkey & Turkey Eggs	7.92	7.92	7.67
Other Livestock	8.68	8.88	8.71
<b>Total Agricultural Services</b>	<b>8.39</b>	<b>8.51</b>	<b>8.44</b>
Soil Preparation Services	8.52	8.52	8.49
Crop Services	8.53	8.88	8.60
Plant Cultivate & Protection	8.54	8.86	8.80
Harvest Primarily by Machine	8.08	8.47	8.50
Preparation Services for Market	8.15	8.49	7.89
Cotton Ginning	9.35	9.68	9.21
Total Farm Labor & Management	8.12	8.13	8.23
Farm Labor Contractors	7.91	7.92	7.96
Farm Management Services	8.33	8.34	8.50

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>23.5</b>	<b>16.7</b>	<b>24.0</b>
<b>Total Agricultural Production/Crops</b>	<b>15.9</b>	<b>11.3</b>	<b>16.0</b>
Cash Grains	3.1	0.7	2.0
Rice	2.8	0.6	1.7
Other Cash Grains	0.3	0.1	0.3
Field Crops Except Grains	1.4	0.5	0.6
Cotton	0.0	0.0	0.0
Other Field Crops	1.4	0.5	0.6
Vegetables and Melons	1.1	2.1	1.5
Total Fruits and Tree Nuts	4.4	3.8	6.4
Berries	0.0	0.0	0.1
Grapes	0.3	0.5	1.1
Tree Nuts	2.9	2.0	2.5
Citrus Fruits	0.2	0.0	0.0
Deciduous Tree Fruit	0.8	0.7	2.0
Other Fruits & Nuts	0.2	0.6	0.7
Total Horticultural Specialties	2.9	1.6	2.2
Ornamental Floral & Nursery	2.9	1.6	2.2
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	3.0	2.6	3.3
<b>Agricultural Production/Livestock</b>	<b>3.5</b>	<b>0.7</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.6	0.0	0.1
Beef Cattle Except Feed Lots	0.1	0.1	0.5
Dairy Farms	0.2	0.1	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	2.6	0.5	0.6
<b>Total Agricultural Services</b>	<b>4.1</b>	<b>4.7</b>	<b>6.3</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	1.4	2.6	2.5
Plant Cultivate & Protection	0.5	0.7	0.7
Harvest Primarily by Machine	0.5	0.4	0.4
Preparation Services for Market	0.4	1.5	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.7	2.1	3.7
Farm Labor Contractors	2.7	2.1	3.5
Farm Management Services	0.0	0.0	0.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Apr 2002	Mar 2002	Apr 2001
<b>Total Agriculture</b>	<b>8.34</b>	<b>8.36</b>	<b>8.30</b>
<b>Total Agricultural Production/Crops</b>	<b>8.35</b>	<b>8.32</b>	<b>8.10</b>
Cash Grains	8.47	8.38	8.27
Rice	8.68	8.48	8.46
Other Cash Grains	8.25	8.27	8.08
Field Crops Except Grains	8.24	8.26	8.04
Cotton	na	na	na
Other Field Crops	8.24	8.26	8.04
Vegetables and Melons	8.48	8.44	8.05
Total Fruits and Tree Nuts	8.06	8.22	7.82
Berries	na	na	7.21
Grapes	8.01	8.36	8.03
Tree Nuts	8.21	8.15	8.07
Citrus Fruits	7.76	na	na
Deciduous Tree Fruit	8.13	8.08	7.72
Other Fruits & Nuts	8.20	8.27	8.07
Total Horticultural Specialties	8.45	8.30	8.35
Ornamental Floral & Nursery	8.45	8.30	8.35
Food Crops Grown Under Cover	na	na	8.34
General Farm Primarily Crop	8.39	8.33	8.06
<b>Agricultural Production/Livestock</b>	<b>8.33</b>	<b>8.36</b>	<b>8.56</b>
Beef Cattle Feed Lots	8.24	na	8.78
Beef Cattle Except Feed Lots	8.23	8.24	8.45
Dairy Farms	8.53	8.45	8.86
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.30	8.40	8.16
<b>Total Agricultural Services</b>	<b>8.35</b>	<b>8.40</b>	<b>8.25</b>
Soil Preparation Services	na	na	8.29
Crop Services	8.47	8.57	8.49
Plant Cultivate & Protection	8.54	8.71	8.75
Harvest Primarily by Machine	8.61	8.69	8.46
Preparation Services for Market	8.26	8.32	8.25
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.22	8.22	7.96
Farm Labor Contractors	8.22	8.22	7.69
Farm Management Services	na	na	8.23

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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